INFORMATION RESOURCE CENTER

PART 50 DISKETTE USER'S HANDBOOK

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DISKMAN.WP

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SECTION 1. GENERAL INFORMATION

1.1 Purpose of the Handbook

The objective of this handbook is to provide a synopsis of the data available to the general public concerning mining Address/ Employment and Accident/Injury information collected under Title 30 Code of Federal Regulations, Part 50 and to give the detailed specifications needed by the computer system analysts and programmers to utilize the diskette(s).

1.2 Use of the Handbook

This handbook is divided into the following sections:

a. General Information - An overview of the data available and the procedures to acquire the diskette(s).

b. Detail File Descriptions - Record layout for each diskette file and a description of the data elements.

c. Data Element Codes and Descriptions - A detail description of possible values for certain data elements.

Any figures pertaining to a section will be at the end of each section. Some figures may therefore be duplicated from section to section.

1.3 Data Abstracts

The Directorate of Program Evaluation and Information Resources (PEIR), Injury and Employment Information Office (IEIO) located in Denver, Colorado is responsible for the Mine Safety and Health Administration's (MSHA) collection, utilization and dissemination of mining information relating to accident, injury, occupational illness, and employment. As a part of this responsibility, diskettes containing the information are available upon request.

Except for the Master Index File (MIF), five calendar years of data are available. For the current calendar year preliminary quarterly data files may be obtained. For prior year information, the final closed-out data is the only available.

IEIO data files are separated by Coal and Metal/Nonmetal. The

Metal/Nonmetal file contains all non-coal comodities under MSHA jurisdiction i.e., most stone, sand and gravel, metal and nonmetal mines. Information on the 1982 Metal/Nonmetal file is considered incomplete relative to other years data for those operations exempted from MSHA jurisdiction under H.J. Resolution 370 consisting primarily of surface stone and sand and gravel.

The following sections contain summaries of each major type of data file. See Figure 1.1 for a chart of the available files.

1.3.1 Address/Employment Files

These files contain the Part 50 mailing address of the mine operator, the quarterly employment and production (coal only) reported by operational subunits, and other information needed to identify the location, status and type of operation.

In 1983 contractors were permitted to report employment on a nation-wide basis within Coal or Metal/Nonmetal. Two quarterly employment and production reports are required from a contractor working in both categories. Beginning in 1983 contractor information is only available on a separate file.

1.3.2 Accident/Injury Files

These files contain coded information pertaining to each accident, illness, or injury reported to IEIO. Contractor information was separated from mine information in 1983, because of employment reporting changes.

1.3.3 Narrative Files

These files contain only those narratives associated with specific accidents/injuries for a particular year. Contractor information was separated from mine information in 1983, because of employment reporting changes.

1.3.4 Master Index File (MIF)

The Master Index File (MIF) contains all mine ID's issued by IEIO for mines active or opened since 1971. This information is updated monthly.

1.4 Data File Procurement

These files are available on 3.5 inch diskettes in a compressed format. Section 1.4.3 gives a detail description.

1.4.1 Ordering Procedures

Data files may be ordered by telephone or letter.

To order by telephone:

Commercial or FTS: (303) 231-5449

To order by mail, send a letter to:

Chief, Program Evaluation and Information Resources
MSHA/IEIO
P.O. Box 25367
Denver, CO 80225 - 0367

Please include a telephone number where the requestor may be reached.

1.4.2 Cost and Billing

Figure 1.2 contains the charges for the diskette and documentation.

As in the past, some requestors may have the fee waived in the interest of the public as outlined in section 70.41 of 29CFR.

1.4.3 Diskette Information

Diskette files provided will have the following fixed characteristics:

3.5 inch IBM formatted diskette; some files will span multiple diskettes

Each diskette data file is in a compressed mode. To expand all files that are contained on one diskette into a MS-DOS ASCII text file, use the following procedure:

a. Insert the 3.5 inch diskette into the appropriate drive.

b. Copy (either using MS-DOS COPY command or other utility that is available) the filename (XXXXXXXX.EXE where XXXXXXXX is the specific file

name) specified on the diskette label to a drive that has the capacity to hold the expanded file plus the compressed file. Listed below is an estimate of the amount of disk space needed for each type of file.

c. The XXXXXXXX.EXE file is a self-extracting file. To restore the orginal MS-DOS ASCII text file, enter the name of the .EXE file. For example if the name on the diskette label is CAIM924.EXE, enter CAIM924 at the MS-DOS prompt.

d. The documentation accompanying the diskette will contain information on the number of records that should be on the expanded file.

To expand any file that spans more than one diskette, use the following procedure:

a. Insert the 3.5 inch diskette labeled YYYYYYYY.1 (for example MIF.1 or CADEM895.1) into the appropriate drive.

b. Copy YYYYYYYY.1 (using MS-DOS COPY command or an available utility) to a drive that has the capacity to hold the expanded file plus YYYYYYYYY.1, YYYYYYYY.2, YYYYYYYY.3, etc and YYYYYYY.EXE. Listed below is an estimate of the amount of disk space needed for each type of file. Repeat steps a. and b. for YYYYYYYY.2, YYYYYYYY.3, etc.

c. The following MS-DOS COPY command can be used to create a self extracting .EXE file:

```
COPY YYYYYYYY.1/B+YYYYYYYY.2+YYYYYYY.3 YYYYYYYY.EXE
```

The above COPY command would combine three files into the .EXE file. To combine two files into the .EXE files, the following COPY would be used:

```
COPY YYYYYYYY.1/B+YYYYYYYY.2 YYYYYYYY.EXE
```

d. The YYYYYYYY.EXE file is a self-extracting file. To restore the orginal MS-DOS ASCII text file,

enter the name of the .EXE file.

e. The documentation accompanying the diskette will contain information on the number of records that should be on the expanded file.

The following is an estimate of disk space needed for the expanded files using the maximum size from 1988 through 1991 4th quarter data:

	Megabytes
Address/Employment	
Coal Mines	6.0
Metal/Nonmetal Mines	10.5
Coal Contractor	12.5
Metal/Nonmetal Contractor	8.0
Accident/Injury	
Coal Mines	4.0
Metal/Nonmetal Mines	3.5
Coal Contractor	*
Metal/Nonmetal Contractor	*

	Megabytes
Narrative	
Coal Mines	8.0
Metal/Nonmetal Mines	7.0
Coal Contractor	*
Metal/Nonmetal Contractor	*
Master Index File (MIF)	15.5

* Less than 1 megabyte

Length of records:

730 characters for mine address/employment files
1,380 characters for contractor address/employment files
180 characters for accident/injury files
399 characters for narrative files
117 characters for MIF

LISTING OF AVAILABLE FILES

Address/Employment
- * Coal Mines
- * Metal/Nonmetal Mines
- Coal Contractor
- Metal/Nonmetal Contractor

Accident/Injury
- * Coal Mines
- * Metal/Nonmetal Mines
- Coal Contractor
- Metal/Nonmetal Contractor

Narrative
- * Coal Mines
- * Metal/Nonmetal Mines
- Coal Contractor
- Metal/Nonmetal Contractor

Master Index File (MIF)

* Files prior to 1983 also contain contractor information.

Figure 1.1

PART 50 DISKETTE COSTS

	Cost
One (1) File on Diskette:	$25.00
Documentation:	
Complete Handbook minus Attachment 1 and FIPS Codes/Names	$11.10
Complete Handbook including Attachment 1 minus FIPS Codes/Names	$21.30
Complete Handbook including Attachment 1 and FIPS Codes/Names	$27.75
FIPS Codes/Names	$6.45
Attachment 1	$10.20

Figure 1.2

SECTION 2. ADDRESS/EMPLOYMENT FILES

2.1 Mine Address/Employment

Files containing Mine Address/Employment information are a fixed length of 730 characters per record. This data is written sequentially, in order by the first ten characters of each record (Mine ID and Contractor).

2.2 Mine ID Number

A mine identification number (ID) is a seven digit number assigned to a specific mine. The first two digits identify the state in which a mine is located and the next five digits are sequentially ascending numbers within a state regardless of whether it is a coal or metal/nonmetal mine. Once a mine is assigned an ID number, it carries that number from that time on whether active or abandoned and regardless of change in ownership. That mine ID number is not given again to another mine. Mine ID numbers are assigned by IEIO upon request by MSHA district offices. A mine information form is used in IEIO for recording these new ID numbers for coal and metal/nonmetal mines. From this form, addresses are added to the Master Index File (MIF).

2.3 Contractor ID Numbers

A contractor is assigned one ID number that is used for identification when work is performed. Contractor ID numbers are assigned by IEIO upon request by MSHA district offices. A special log is kept for these new contractors. A contractor ID is three characters - one alpha and two alpha-numeric. Only the three characters are used for reporting employment beginning in 1983. Injuries must provide the 7-digit mine ID where the injury occurred along with the contractor ID number. Beginning in 1983, contractor information is contained on separate files. Prior to 1983, contractor employment was provided on a mine basis and therefore was included in the same file with mine information.

2.4 Mine Information Forms

A Mine Information Form is used by IEIO to obtain status, company name and other needed information regarding new mines. This form is used to update the Master Index File (MIF).

2.5 Address Updates

The inspector has the responsibility for determining that a mine exists. All additions and changes to both the coal and metal/nonmetal address files are sent by the district offices to the Information Systems Center (ISC) Coal and Metal/Nonmetal Management Information Systems. Through an internal process, the address files are updated to correspond with ISC databases.

2.6 Master Index File (MIF)

Address record additions or changes are used to update the MIF file monthly. In addition, a special MIF update form is used to provide additional SIC codes and other information not carried on the address file.

2.7 Limitations on File Content

2.7.1 Congressional Removal

Information on the 1982 Metal/Nonmetal file is considered incomplete relative to other years data for those operations exempted from MSHA jurisdiction under H.J. Resolution 370 consisting primarily of surface stone and sand and gravel operations.

2.7.2 Annual Removal

It is IEIO's policy to remove all mines and contractors from it's address files if the district responsible has placed either the mine or the contractor in a permanently abandoned status prior to initialization of the next year's files.

2.7.3 Contractors

Address records for contractors, because they contain all Coal or Metal employment nationwide, contain the following constant information:

Mine ID	0000000
Inspection Office	9998
State Code	98
County Code	998
SIC	99998
Canvass or Class	9

Mine Type	14
Work Group	00

2.8 FIPS State and County Codes

Federal Information Processing Standards (FIPS) state codes (see Figure 2.1) are not the same numeric state codes assigned by IEIO as the first two digits of the mine ID number. FIPS state codes have been assigned by alphabetical order by states. The FIPS state code appears on the files but is computer generated. All counties are assigned the FIPS code number and are not computer generated. See FIPS PUB. 6-3 for the FIPS County Codes.

STATE CODE TABLE

STATE NAME	ABBREV	IEIO CODE	FIPS CODE	STATE NAME	ABBREV	IEIO CODE	FIPS CODE
ALABAMA	AL	01	01	NEW MEXICO	NM	29	35
ARIZONA	AZ	02	04	NEW YORK	NY	30	36
ARKANSAS	AR	03	05	NORTH CAROLINA	NC	31	37
CALIFORNIA	CA	04	06	NORTH DAKOTA	ND	32	38
COLORADO	CO	05	08	OHIO	OH	33	39
CONNECTICUT	CT	06	09	OKLAHOMA	OK	34	40
DELAWARE	DE	07	10	OREGON	OR	35	41
FLORIDA	FL	08	12	PENNSYLVANIA	PA	36	42
GEORGIA	GA	09	13	RHODE ISLAND	RI	37	44
IDAHO	ID	10	16	SOUTH CAROLINA	SC	38	45
ILLINOIS	IL	11	17	SOUTH DAKOTA	SD	39	46
INDIANA	IN	12	18	TENNESSEE	TN	40	47
IOWA	IA	13	19	TEXAS	TX	41	48
KANSAS	KS	14	20	UTAH	UT	42	49
KENTUCKY	KY	15	21	VERMONT	VT	43	50
LOUISIANA	LA	16	22	VIRGINIA	VA	44	51
MAINE	ME	17	23	WASHINGTON	WA	45	53
MARYLAND	MD	18	24	WEST VIRGINIA	WV	46	54
MASSACHUSETTS	MA	19	25	WISCONSIN	WI	47	55
MICHIGAN	MI	20	26	WYOMING	WY	48	56
MINNESOTA	MN	21	27	DIST OF COLUMBIA	DC	49	11
MISSISSIPPI	MS	22	28	ALASKA	AK	50	02
MISSOURI	MO	23	29	HAWAII	HI	51	15
MONTANA	MT	24	30	PACIFIC ISLAND POSSESSIONS	PP	52	Mult No's
NEBRASKA	NE	25	31	PANAMA CANL ZONE	CZ	53	61
NEVADA	NV	26	32	PUERTO RICO	PR	54	72
NEW HAMPSHIRE	NH	27	33	VIRGIN ISLANDS	VI	55	78
NEW JERSEY	NJ	28	34				

Figure 2.1

COAL MINE STATUS

CODE	MEANING
A	Active
B	Mine Closed by MSHA
C	Temporarily Closed
D	Permanently Abandoned
E	Active, Men Working, Not Producing
F	Active, Men Not Working, Not Producing
G	New, Under Construction
H	New, No Men Working

Figure 2.2

COAL

Inspection Office Coding Structure

- First two characters indicate the district office.

- All four characters indicate the field office.

COAL INSPECTION OFFICE CODES

INSPECTION OFFICE CODE	DISTRICT	FIELD OFFICE
0100	Wilkes Barre	
0101		Wilkes Barre
0102		Pottsville
0103		Shamokin
0200	New Stanton	
0201		Waynesburg
0202		Kittanning
0203		Washington
0204		Johnstown
0205		Indiana
0206		Clearfield
0207		Carrolltown
0300	Morgantown	
0301		Morgantown
0302		Fairmont
0303		Bridgeport
0304		Oakland
0305		St Clairsville
0306		Cadiz
0307		New Lexington
0308		Wellston
0400	Mt. Hope	
0401		Mt. Hope
0402		Mt. Carbon
0403		Summersville
0404		Princeton
0405		Pineville
0406		Madison

Figure 2.3-1

Figure 2.3-2

COAL
(Continued)

INSPECTION OFFICE CODE	DISTRICT	FIELD OFFICE
0500	Norton	
0501		Norton
0502		Richlands
0503		Grundy
0600	Pikeville	
0601		Pikeville
0602		Eklhorn City
0603		Phelps
0604		Paintsville
0605		Martin
0606		Whitesburg
0700	Barbourville	
0701		Barbourville
0702		Harlan
0703		Jacksboro, TN
0704		Hazard
0705		Hindman
0706		Hyden
0707		Jasper
0800	Vincennes	
0801		Vincennes
0802		Benton
0803		Hillsboro
0804		Sparta
0900	Denver	
0901		McAlester
0902		Trinidad
0903		Sheridan
0904		Gillette
0905		Price
0906		Craig
0907		Delta
0908		Castle Dale

Figure 2.3-3

COAL
(Continued)

INSPECTION OFFICE CODE	DISTRICT	FIELD OFFICE
1000	Madisonville	
1001		Madisonville
1002		Morganfield
1003		Beaver Dam
1100	Birmingham	
1101		Hueytown, AL
1102		Jasper, AL

Figure 2.3-4

Metal/Nonmetal Status Codes

Code	Meaning
1	Full-Time Permanent
2	Intermittent (Included Seasonal)
3	Non-Producing
4	Permanently Abandoned

Figure 2.5

METAL/NONMETAL ORGANIZATION CODES

Organization Coding Structure

- First character indicates the district office.

- All four characters indicate the field office.

ORGANIZATION CODE	DISTRICT	FIELD OFFICE
2000	Northeastern	
2621		Wyomissing, PA
2641		Charlottesville, VA
2681		Cranberry, PA
2851		Geneva, NY
2861		Manchester, NH
2881		Glenmont, NY
3000	Southeastern	
3611		Bartow, FL
3631		Macon, GA
3651		San Juan, PR
3661		Birmingham, AL
3811		Franklin, TN
3821		Lexington, KY
3851		Columbia, SC
3861		Knoxville, TN
3871		Sanford, NC
4000	North Central	
4631		Lansing, MI
4641		Marquette, MI
4661		Duluth, MN
4671		Fort Dodge, IA
4821		Peru, IL
4851		Newark, OH
4861		Vincennes, IN

Figure 2.5-1

METAL/NONMETAL ORGANIZATION CODES
(Continued)

ORGANIZATION CODE	DISTRICT	FIELD OFFICE
5000	South Central	
5611		San Antonio, TX
5631		Carlsbad, NM
5641		Albuquerque, NM
5651		Denham Springs, LA
5671		Dallas, TX
5851		Rolla, MO
5861		Norman, OK
6000	Rocky Mountain	
6621		Rapid City, SD
6642		Denver, CO
6651		Topeka, KS
6821		Helena, MT
6831		Green River, WY
6851		Salt Lake City, UT
6861		Mesa, AZ
7000	Western	
7621		Coeur D'Alene, ID
7641		Bellevue, WA
7651		Albany, OR
7821		Vacaville, CA
7831		San Bernardino, CA
7851		Elko, NV

Figure 2.5-2

STANDARD INDUSTRIAL CLASSIFICATION CODES (MSHA)
(numeric order)

10110	Iron Ore	14410	Sand & Gravel
10210	Copper Ore	14530	Clay (Fire)
10310	Lead and/or Zinc Ore	14550	Clay (Common)
10410	Gold (Lode and Placer) NEC	14590	Clay, Ceramic & Refactory, NEC
10440	Silver Ores	14591	Aplite
10510	Aluminum Ore	14592	Brucite
10610	Ferroalloy Ores	14593	Feldspar
10611	Chromite	14594	Kyanite
10612	Cobalt	14595	Magnesite
10613	Columbium - Tantalum	14596	Shale (Common)
10614	Manganese	14720	Barite
10615	Molybdenum	14730	Fluorspar
10616	Nickel	14740	Potash, Soda & Borate Min'ls NEC
10617	Tungsten	14741	Boron Minerals
10920	Mercury	14742	Potash
10940	Uranium - Vanadium Ores	14743	Trona
10941	Uranium	14744	Sodium Compounds
10942	Vanadium	14750	Phosphate Rock
10990	Metal Ores, NEC	14760	Salt (Rock)
10991	Antimony	14770	Sulfur
10992	Beryl	14790	Chemical and Fertilizer, NEC
10993	Platinum Group	14791	Lithium
10994	Rare Earths	14792	Pigment Mineral
10995	Tin Ore	14793	Pyrites
10996	Titanium	14794	Strontium
10997	Zircon	14920	Gypsum
11110	Coal, Anthracite	14960	Talc, Soapstone & Pyrophylite
12110	Coal, Bituminous	14990	Nonmetallic Minerals, NEC
13111	Oil Shale	14991	Asbestos
13112	Oil Sand	14992	Gemstones
14110	Stone, Dimension NEC	14993	Gilsonite
14111	Granite (Dimension)	14994	Mica
14112	Limestone (Dimension)	14995	Peat (before 1979)
14113	Marble (Dimension)	14996	Perlite
14114	Sandstone (Dimension)	14997	Pumice
14115	Slate (Dimension)	14998	Vermiculite
14116	Traprock (Dimension)	28190	Industrial Chemicals, NEC
14220	Limestone (Crushed & Broken)	28191	Alumina (Mill)
14230	Granite (Crushed & Broken)	28193	Bromine

Figure 2.6-1

14290	Stone, Crushed & Broken, NEC	29900	Leonardite
14291	Marble (Crushed & Broken)	28991	Salt (Evaporated)
14292	Sandstone (Crushed & Broken)	28992	Salt (In brine)
14293	Slate (Crushed & Broken)	32410	Cement
14294	Traprock (Crushed & Broken)	32740	Lime

Figure 2.6-2

STANDARD INDUSTRIAL CLASSIFICATION CODES (MSHA)
(alpha order)

28191	Alumina (Mill)	10990	Metal Ores, NEC
10510	Aluminum Ore	14994	Mica
10991	Antimony	10615	Molybdenum
14591	Aplite	10616	Nickel
14991	Asbestos	14990	Nonmetallic Minerals, NEC
14720	Barite	13112	Oil Sand
10992	Beryl	13111	Oil Shale
14741	Boron Minerals	14995	Peat (before 1979)
28193	Bromine	14996	Perlite
14592	Brucite	14750	Phosphate Rock
32410	Cement	14792	Pigment Mineral
14790	Chemical and Fertilizer, NEC	10993	Platinum Group
10611	Chromite	14742	Potash
14590	Clay, Ceramic & Refractory, NEC	14740	Potash, Soda & Borate Min'ls NEC
14550	Clay (Common)	14997	Pumice
14530	Clay (Fire)	14793	Pyrites
11110	Coal, Anthracite	10994	Rare Earths
12110	Coal, Bituminous	28991	Salt (Evaporated)
10612	Cobalt	28992	Salt (In brine)
10613	Columbium - Tantalum	14760	Salt (Rock)
10210	Copper Ore	14410	Sand & Gravel
14593	Feldspar	14292	Sandstone (Crushed & Broken)
10610	Ferroalloy Ores	14114	Sandstone (Dimension)
14730	Fluorspar	14596	Shale (Common)
14992	Gemstones	10440	Silver Ores
14993	Gilsonite	14293	Slate (Crushed & Broken)
10410	Gold (Lode and Placer)	14115	Slate (Dimension)
14230	Granite (Crushed & Broken)	14744	Sodium Compounds
14111	Granite (Dimension)	14290	Stone, Crushed & Broken, NEC
14920	Gypsum	14110	Stone, Dimension NEC
28190	Industrial Chemicals, NEC	14794	Strontium
10110	Iron Ore	14770	Sulfur
14594	Kyanite	14960	Talc, Soapstone & Pyrophylite
10310	Lead and/or Zinc Ore	10995	Tin Ore
29900	Leonardite	10996	Titanium
32740	Lime	14294	Traprock (Crushed & Broken)
14220	Limestone (Crushed & Broken)	14116	Traprock (Dimension)
14112	Limestone (Dimension)	14743	Trona
14791	Lithium	10617	Tungsten
14595	Magnesite	10941	Uranium

Figure 2.6-3

10614	Manganese	10940	Uranium - Vanadium Ores
14291	Marble (Crushed & Broken)	10942	Vandium
14113	Marble (Dimension)	14998	Vermiculite
10920	Mercury	10997	Zircon

Figure 2.6-4

MINE TYPE CODES

The mine type code is based on the primary operating unit and the canvass code. The primary operating unit being the first sub-unit operation in the address record.

MINE TYPE CODE	DESCRIPTION	PRIMARY OPERATING UNIT	CANVASS
1	Underground-Metal	01 02	8
2	Underground-Nonmetal	01 02	7
3	Underground-Stone	01 02	6
4	Surface - Metal	03 06 12 17 99	8
5	Surface - Nonmetal	03 06 12 17 99	7
6	Surface - Stone	03 06 12 17 99	6
7	Mills - Metal	30	8
8	Mills - Nonmetal	30	7
9	Mills - Stone	30	6
10	Sand and Gravel	All	5
11	Underground - Coal	01 02	1 or 2
12	Surface - Coal	03 04 05 06 17 99	1 or 2
13	Mills - Coal	30	1 or 2
14*	Contractor	All	9

* 1983 and after.

Figure 2.7

CANVASS CODE

The canvass codes designate a general product classification. Canvass codes are computer generated from the Standard Industrial Codes (SIC) as follows:

CANVASS CODE	DESCRIPTION	STANDARD INDUSTRIAL CODES
1	Coal - Anthracite	11110
2	Coal - Bituminous	12110
3	Not Used (formerly designated	sub-bituminous)
4	Not used (formerly designated	lignite)
5	Sand & Gravel	14410
6	Stone	First three digits are 141 First three digits are 142 32411 32412 32720
7	Nonmetal	First three digits are 145 First three digits are 147 First three digits are 149 28193 28195 29900 32952 32957
8	Metal	First two digits are 10 28180
9*	Contractor	9998

* 1983 and after.

Figure 2.8

SUBUNIT OPERATIONS CODE

The subunit operations code indicates the type of mining operations conducted at the mine. A maximum of four subunit operations codes may be assigned to one mine or a maximum of nine may be assigned to a contractor. Only specified combinations will be permitted. Employment and accident/injury/ illness data will be segregated according to this code.

SUBUNIT OPERATIONS CODE	DESCRIPTION
01	Underground Operations. All underground operations. Operations below the surface of the ground. Excavations beneath a roof. Hoisting to the surface.
02	Surface Operations at an Underground Mine. Includes surface shops and yards, tipple physically located at the mine site.
03	Surface. Strip or open pit mines including associated shops and yards.
04	Auger. Auger mining operations for coal mines only.
05	Culm Bank. Reworking of mine dumps or refuse pile. For coal operations only.
06	Dredge. Mining operations conducted from a plat-form floating on water.
12	Other Surface Mining. Brine pumping, etc. For Metal/Nonmetal only.
17	Independent Shops and Yards. Shops and yards not associated with one specific mine. Will have an individual mine-ID.
30	Mill or Preparation Plant. Mill, preparation plant or breaker operations associated with one specific mine. Includes associated shops and yards.

Figure 2.9

99 Office. Professional and clerical workers at the plant or mine.

Figure 2.10

VALID SUBUNIT COMBINATIONS

The following are valid subunit combinations for mine address records:

VALID SUBUNIT COMBINATIONS	RESTRICTIONS
01	
01 02	
01 02 30	
01 02 30 99	
01 02 99	
01 30	
01 30 99	
01 99	
03	
03 04	Coal only
03 04 30	Coal only
03 04 30 99	Coal only
03 04 99	Coal only
03 05	Coal only
03 05 30	Coal only
03 05 30 99	Coal only
03 05 99	Coal only
03 30	
03 30 99	
03 99	
04	Coal only
04 30	Coal only
04 30 99	Coal only
04 99	Coal only
05	Coal only
05 30	Coal only
05 30 99	Coal only
05 99	Coal only
06	
06 30	
06 30 99	

Figure 2.10-1

06 99

Figure 2.10-2

VALID SUBUNIT COMBINATIONS (Cont'd)

VALID SUBUNIT COMBINATIONS	RESTRICTIONS
12	Metal/Nonmetal only
12 30	Metal/Nonmetal only
12 30 99	Metal/Nonmetal only
12 99	Metal/Nonmetal only
17	
17 99	
30	
30 99	
99	

Contractor may use any combination of subunits below:

01
02
03
*04
*05
06
**12
17
30
99

* Coal Only
** Metal/Nonmetal Only

Figure 2.10-3

MINE ADDRESS/EMPLOYMENT

The first record on this file is always an informational record containing the year of the data and the type of data along with other miscellaneous data. The following is a detail description of this first record:

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
1-7	Constant	X(7)	Value of 0000001.
8-10	Constant	XXX	Value of spaces.
11-24	Type of File	X(14)	Value of COAL or METAL/NONMETAL.
25-28	Year of File	9(4)	Year of the data.
29-31	Cycle Number	999	Update cycle number.
32-37	Update Date	9(6)	Date of last update.
38-730	Filler	X(693)	

The following is a detail description of the mine address/employment records that follow the informational record:

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
1-7	Mine ID	9(7)	MSHA Mine ID assigned to a mining operation.
8-10	Contractor	X(3)	Contractor performing work at the site of the primary Mine ID operation. Spaces if 1983 or later.
11-12	Filler	99	
13-16	Inspection Office	9(4)	Code for MSHA Field office exercising jurisdiction over this mining operation.
17-18	State Code	99	FIPS code for state in which mine

Figure 2.11-1

			in located.
19-21	County Code	999	FIPS code for county within a state in which mine is located.
22-26	SIC	9(5)	Standard Industrial Code for primary commodity mined.

Figure 2.11-2

MINE ADDRESS/EMPLOYMENT (Cont'd)

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
27	Canvass or Class	9	Designates a general product class based on SIC code. Internally generated by IEIO.
28-29	Mine Type	99	Metal/Nonmetal mine type code. Based on subunit operations code and canvass code.
30	Status Code	X	Code for status of operations of mine (active to permanently closed.)
31-36	Status Date	X(6)	Date of latest add or change of status in YYMMDD format.
37-40	Seam Height	9(4)	Coal seam height in inches. Coal only.
41-42	Filler	99	
43	Prior Status Code	X	When status code is changed, the previous status code will be moved to this position.
44-46	Travel Area	X(3)	Metal/Nonmetal inspection travel area. 1 alpha and 2 numeric characters.
47	Mailing Control	9	Provides for suppression of mailouts.
48-77	Company Name	X(30)	Company owning or having primary responsibility for the operation of this mine.
78-107	Mine or Plant Name	X(30)	Name applied to this mine by the company.
108-137	Street or PO Box Number	X(30)	Mailing address for this mining operation.

Figure 2.11-3

138-150	City	X(13)	City to which mail is sent for this mine.
151-152	State Abbreviation	XX	State abbreviation for mailing purposes.
153-157	Zip Code	9(5)	Zip code for mailing purposes.

Figure 2.11-4

MINE ADDRESS/EMPLOYMENT (Cont'd)

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
158-181	County Name	X(24)	Name of county in which mine is located.
182	Injury Flag Quarter 1	9	Company indication whether the company had reportable injuries or illnesses during this quarter; 1 if yes; 2 if no. This is supplied each quarter by the mining company on Form 7000-2. It may not accurately reflect actual accidents/illnesses reported.
183-185	Injury Count Quarter 1	9(3)	Number of reportable accidents and illnesses for the quarter given on Form 7000-2 by the mining company. It may not accurately reflect actual accidents/illnesses reported.
186	Injury Flag Quarter 2	9	Company indication whether the company had reportable injuries or illnesses during this quarter; 1 if yes; 2 if no. This is supplied each quarter by the mining company on Form 7000-2. It may not accurately reflect actual accidents/illnesses reported.
187-189	Injury Count Quarter 2	9(3)	Number of reportable accidents and illnesses for the quarter given on Form 7000-2 by the mining company. It may not accurately reflect actual accidents/illnesses reported.
190	Injury Flag Quarter 3	9	Company indication whether the company had reportable injuries or illnesses during this quarter; 1 if yes; 2 if no. This is supplied each quarter by the mining company

Figure 2.11-5

			on Form 7000-2. It may not accurately reflect actual accidents/illnesses reported.
191-193	Injury Count Quarter 3	9(3)	Number of reportable accidents and illnesses for the quarter given on Form 7000-2 by the mining company. It may not accurately reflect actual accidents/illnesses reported.

Figure 2.11-6

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
194	Injury Flag Quarter 4	9	Company indication whether the company had reportable injuries or illnesses during this quarter; 1 if yes; 2 if no. This is supplied each quarter by the mining company on Form 7000-2. It may not accurately reflect actual accidents/illnesses reported.
195-197	Injury Count Quarter 4	9(3)	Number of reportable accidents and illnesses for the quarter given on Form 7000-2 by the mining company. It may not accurately reflect actual accidents/illnesses reported.
198-199	Work Group	99	Coal work group code.
200-201	Update Addition Year	99	Year that the address information was added to file.
202-204	Update Addition Number	999	Update cycle number that the information was added to file.
205-206	Update Change Year	99	Year of latest change to address information.
207-209	Update Change Number	999	Update cycle number of latest change to address information.
210	Number of Subunits	9	Total number of subunits operating at the mine. There may be 0 to 4 subunits operating at each mine.

Positions 211-340 of the record contains information about the first subunit operating at the mine. Position 210 indicates the total number of subunits operating at the mine. This "subunit" area could be spaces if there are no subunits operating at the mine.

211-212	Subunit 1 Code	99	First subunit operations code.

213-221	Document Number Quarter 1	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
222-226	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.

Figure 2.11-8

MINE ADDRESS/EMPLOYMENT (Cont'd)

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
227-234	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
235-244	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
245-253	Document Number Quarter 2	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
254-258	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
259-266	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
267-276	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
277-285	Document Number Quarter 3	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
286-290	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.
291-298	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
299-308	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
309-317	Document Number Quarter 4	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
318-322	Number of Employees	9(5)	Average number of persons working

Figure 2.11-9

	Quarter 4		during the quarter in this subunit.
323-330	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.

Figure 2.11-10

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
331-340	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.

Positions 341-470 of the record contains information about the second subunit operating at the mine. Position 210 indicates the total number of subunits operating at the mine. This "subunit" area could be spaces if there is only one subunit operating at the mine.

341-342	Subunit 2 Code	99	Second subunit operations code.
343-351	Document Number Quarter 1	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
352-356	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.
357-364	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
365-374	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
375-383	Document Number Quarter 2	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
384-388	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
389-396	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
397-406	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
407-415	Document Number	9(9)	Number assigned to the document

	Quarter 3	upon reciept in mailroom of IEIO and stamped on the form.
416-420	Number of Employees 9(5) Quarter 3	Average number of persons working during the quarter in this subunit.

Figure 2.11-12

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
421-428	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
429-438	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
439-447	Document Number Quarter 4	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
448-452	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
453-460	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.
461-470	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.

Positions 471-600 of the record contains information about the third subunit operating at the mine. Position 210 indicates the total number of subunits operating at the mine. This "subunit" area could be spaces if there are two subunits operating at the mine.

471-472	Subunit 3 Code	99	Third subunit operations code.
473-481	Document Number Quarter 1	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
482-486	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.
487-494	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
495-504	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this

			subunit.
505-513	Document Number Quarter 2	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.

Figure 2.11-14

MINE ADDRESS/EMPLOYMENT (Cont'd)

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
514-518	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
519-526	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
527-536	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
537-545	Document Number Quarter 3	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
546-550	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.
551-558	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
559-568	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
569-577	Document Number Quarter 4	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
578-582	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
583-590	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.
591-600	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.

Positions 601-730 of the record contains information about the fourth subunit operating at the mine. Position 210 indicates the total number of

subunits operating at the mine. This "subunit" area could be spaces if there are three subunits operating at the mine.

601-602	Subunit 4 Code	99	Fourth subunit operations code.

Figure 2.11-16

MINE ADDRESS/EMPLOYMENT (Cont'd)

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
603-611	Document Number Quarter 1	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
612-616	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.
617-624	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
625-634	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
635-643	Document Number Quarter 2	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
644-648	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
649-656	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
657-666	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
667-675	Document Number Quarter 3	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
676-680	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.
681-688	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
689-698	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this

Figure 2.11-17

			subunit.
699-707	Document Number Quarter 4	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.

Figure 2.11-18

MINE ADDRESS/EMPLOYMENT (Cont'd)

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
708-712	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
713-720	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.
721-730	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.

CONTRACTOR ADDRESS/EMPLOYMENT

The first record on this file is always an informational record containing the year of the data and the type of data along with other miscellaneous data. The following is a detail description of this first record:

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
1-10	Constant	X(10)	Value of spaces.
11-24	Type of File	X(14)	Value of COAL CONTR or MNM CONTR.
25-28	Year of File	9(4)	Year of the data.
29-31	Cycle Number	999	Update cycle number.
32-37	Update Date	9(6)	Date of last update.
38-1380	Filler	X(1343)	

The following is a detail description of the contractor address/employment records that follow the informational record:

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
1-3	Contractor	X(3)	MSHA Contractor code assigned to an independent contractor.
4-10	Mine ID	9(7)	Constant value of zeroes.
11-12	Filler	99	
13-16	Inspection Office	9(4)	Constant value of 9998.
17-18	State Code	99	Constant value of 98.
19-21	County Code	999	Constant value of 998.
22-26	SIC	9(5)	Constant value of 99998.
27	Canvass or Class	9	Constant value of 9.

Figure 2.12-1

28-29	Mine Type	99	Constant value of 14.
30	Status Code	X	Code for status of operations of contractor (active to permanently closed.)

Figure 2.12-2

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
31-36	Status Date	X(6)	Date of latest add or change of status in YYMMDD format.
37-40	Seam Height	9(4)	Constant value of zeroes.
41-42	Filler	99	
43	Prior Status Code	X	When status code is changed, the previous status code will be moved to this position.
44-46	Travel Area	X(3)	Constant value of spaces.
47	Mailing Control	9	Provides for suppression of mailouts.
48-77	Company Name	X(30)	Company owning or having primary responsibility for this contractor code.
78-107	Mine or Plant Name	X(30)	Constant value of ALL MINING OPERATIONS.
108-137	Street or PO Box Number	X(30)	Mailing address for this contractor.
138-150	City	X(13)	City to which mail is sent for this contractor.
151-152	State Abreviation	XX	State abbreviation for mailing purposes.
153-157	Zip Code	9(5)	Zip Code for mailing purposes.
158-181	County Name	X(24)	Constant value of VARIOUS COUNTIES.
182	Injury Flag Quarter 1	9	Contractor indication whether the contractor had reportable injuries or illnesses during this quarter; 1 if yes; 2 if no. This is supplied

Figure 2.12-3

each quarter by the contractor on Form 7000-2. It may not accurately reflect actual accidents/illnesses reported.

Figure 2.12-4

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
183-185	Injury Count Quarter 1	9(3)	Number of reportable accidents and illnesses for the quarter given on Form 7000-2 by the contractor. It may not accurately reflect actual accidents/illnesses reported.
186	Injury Flag Quarter 2	9	Contractor indication whether the contractor had reportable injuries or illnesses during this quarter; 1 if yes; 2 if no. This is supplied each quarter by the contractor on Form 7000-2. It may not accurately reflect actual accidents/illnesses reported.
187-189	Injury Count Quarter 2	9(3)	Number of reportable accidents and illnesses for the quarter given on Form 7000-2 by the contractor. It may not accurately reflect actual accidents/illnesses reported.
190	Injury Flag Quarter 3	9	Contractor indication whether the contractor had reportable injuries or illnesses during this quarter; 1 if yes; 2 if no. This is supplied each quarter by the contractor on Form 7000-2. It may not accurately reflect actual accidents/illnesses reported.
191-193	Injury Count Quarter 3	9(3)	Number of reportable accidents and illnesses for the quarter given on Form 7000-2 by the contractor. It may not accurately reflect actual accidents/illnesses reported.
194	Injury Flag Quarter 4	9	Contractor indication whether the contractor had reportable injuries or illnesses during this quarter; 1 if yes; 2 if no. This is supplied each quarter by the contractor on

Form 7000-2. It may not accurately reflect actual accidents/illnesses reported.

Figure 2.12-6

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
195-197	Injury Count Quarter 4	9(3)	Number of reportable accidents and illnesses for the quarter given on Form 7000-2 by the contractor. It may not accurately reflect actual accidents/illnesses reported.
198-199	Work Group	99	Constant value of zeroes.
200-201	Update Addition Year	99	Year that the address information was added to file.
202-204	Update Addition Number	999	Update cycle number that address information was added to file.
205-206	Update Change Year	99	Year of latest change to address information.
207-209	Update Change Number	999	Update cycle number of the latest change to address information.
210	Number of Subunits	9	Total number of subunits where the contractor operated. Value can vary from zero to nine.

Positions 211-340 of the record contains information about the first subunit where the contractor has operated . Position 210 indicates the total number of subunits operating. This "subunit" area could be spaces if the contractor did not operate at any subunit.

211-212	Subunit 1 Code	99	First subunit operations code.
213-221	Document Number Quarter 1	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
222-226	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.
227-234	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.

235-244	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.

Figure 2.12-8

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
245-253	Document Number Quarter 2	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
254-258	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
259-266	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
267-276	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
277-285	Document Number Quarter 3	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
286-290	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.
291-298	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
299-308	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
309-317	Document Number Quarter 4	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
318-322	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
323-330	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.
331-340	Tons of Production	9(10)	Production of clean coal (short

Figure 2.12-9

Quarter 4	tons) during the quarter in this subunit.

Positions 341-470 of the record contains information about the second subunit where the contractor has operated. Position 210 indicates the total number of subunits operating. This "subunit" area could be spaces if there is only one subunit where the contractor operated.

Figure 2.12-10

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
341-342	Subunit 2 Code	99	Second subunit operations code.
343-351	Document Number Quarter 1	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
352-356	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.
357-364	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
365-374	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
375-383	Document Number Quarter 2	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
384-388	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
389-396	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
397-406	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
407-415	Document Number Quarter 3	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
416-420	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.
421-428	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.

Figure 2.12-11

429-438	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
439-447	Document Number Quarter 4	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.

Figure 2.12-12

POSITION	DATA ELEMENT	TYPE WIDTH	DESCRIPTION
448-452	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
453-460	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.
461-470	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.

Positions 471-600 of the record contains information about the third subunit where the contractor operated. Position 210 indicates the total number of subunits. This "subunit" area could be spaces if there were only two subunits where the contractor operated.

471-472	Subunit 3 Code	99	Third subunit operations code.
473-481	Document Number Quarter 1	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
482-486	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.
487-494	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
495-504	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
505-513	Document Number Quarter 2	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
514-518	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
519-526	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.

527-536	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.

Figure 2.12-14

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
537-545	Document Number Quarter 3	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
546-550	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.
551-558	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
559-568	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
569-577	Document Number Quarter 4	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
578-582	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
583-590	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.
591-600	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.

Positions 601-730 of the record contains information about the fourth subunit where the contractor operated. Position 210 indicates the total number of subunits operating. This "subunit" area could be spaces if there were only three subunits where the contractor operated.

601-602	Subunit 4 Code	99	Fourth subunit operations code.
603-611	Document Number Quarter 1	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
612-616	Number of Employees	9(5)	Average number of persons working

	Quarter 1		during the quarter in this subunit.
617-624	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.

Figure 2.12-16

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
625-634	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
635-643	Document Number Quarter 2	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
644-648	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
649-656	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
657-666	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
667-675	Document Number Quarter 3	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
676-680	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.
681-688	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
689-698	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
699-707	Document Number Quarter 4	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
708-712	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
713-720	Employee Hours	9(8)	Total employee hours worked during

	Quarter 4		the quarter in this subunit.
721-730	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.

Figure 2.12-18

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
Positions 731-860 of the record contains information about the fifth subunit where the contractor operated. Position 210 indicates the total number of subunits operating. This "subunit" area could be spaces if there were only four subunits where the contractor operated.			
731-732	Subunit 5 Code	99	Fifth subunit operations code.
733-741	Document Number Quarter 1	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
742-746	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.
747-754	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
755-764	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
765-773	Document Number Quarter 2	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
774-778	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
779-786	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
787-796	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
797-805	Document Number Quarter 3	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
806-810	Number of Employees	9(5)	Average number of persons working

	Quarter 3		during the quarter in this subunit.
881-818	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.

Figure 2.12-20

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
819-828	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
829-837	Document Number Quarter 4	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
838-842	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
843-850	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.
851-860	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.

Positions 861-990 of the record contains information about the sixth subunit where the contractor operated. Position 210 indicates the total number of subunits operating. This "subunit" area could be spaces if there were five subunits where the contractor operated.

861-862	Subunit 6 Code	99	Sixth subunit operations code.
863-871	Document Number Quarter 1	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
872-876	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.
877-884	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
885-894	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
895-903	Document Number	9(9)	Number assigned to the document

	Quarter 2	upon reciept in mailroom of IEIO and stamped on the form.
904-908	Number of Employees 9(5) Quarter 2	Average number of persons working during the quarter in this subunit.

Figure 2.12-22

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
909-916	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
917-926	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
927-935	Document Number Quarter 3	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
936-940	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.
941-948	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
949-958	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
959-967	Document Number Quarter 4	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
968-972	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
973-980	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.
981-990	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.

Positions 991-1120 of the record contains information about the seventh subunit where the contractor operated. Position 210 indicates the total number of subunits operating. This "subunit" area could be spaces if there were six subunits where the contractor operated.

991-992	Subunit 7 Code	99	Seventh subunit operations code.

993-1001	Document Number Quarter 1	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
1002-1006	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.

Figure 2.12-24

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
1007-1014	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
1015-1024	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
1025-1033	Document Number Quarter 2	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
1034-1038	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
1039-1046	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
1047-1056	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
1057-1065	Document Number Quarter 3	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
1066-1070	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.
1071-1078	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
1079-1088	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
1089-1097	Document Number Quarter 4	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
1098-1102	Number of Employees	9(5)	Average number of persons working

Figure 2.12-25

	Quarter 4		during the quarter in this subunit.
1103-1110	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.

Figure 2.12-26

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
1111-1120	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.

Positions 1121-1250 of the record contains information about the eighth subunit where the contractor operated. Position 210 indicates the total number of subunits operating. This "subunit" area could be spaces if there were seven subunits where the contractor operated.

1121-1122	Subunit 8 Code	99	Eighth subunit operations code.
1123-1131	Document Number Quarter 1	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
1132-1136	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.
1137-1144	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
1145-1154	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
1155-1163	Document Number Quarter 2	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
1164-1168	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
1169-1176	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
1177-1186	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
1187-1195	Document Number	9(9)	Number assigned to the document

	Quarter 3	upon reciept in mailroom of IEIO and stamped on the form.
1196-1200	Number of Employees 9(5) Quarter 3	Average number of persons working during the quarter in this subunit.

Figure 2.12-28

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
1201-1208	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
1209-1218	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
1219-1227	Document Number Quarter 4	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
1228-1232	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
1233-1240	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.
1241-1250	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.

Positions 1251-1380 of the record contains information about the ninth subunit where the contractor operated. Position 210 indicates the total number of subunits operating. This "subunit" area could be spaces if there were eight subunits where the contractor operated.

1251-1252	Subunit 9 Code	99	Ninth subunit operations code.
1253-1261	Document Number Quarter 1	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
1262-1266	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.
1267-1274	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
1275-1284	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this

			subunit.
1285-1293	Document Number Quarter 2	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.

Figure 2.12-30

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
1294-1298	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
1299-1306	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
1307-1316	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
1317-1325	Document Number Quarter 3	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
1326-1330	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.
1331-1338	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
1339-1348	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
1349-1357	Document Number Quarter 4	9(9)	Number assigned to the document upon reciept in mailroom of IEIO and stamped on the form.
1358-1362	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
1363-1370	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.
1371-1380	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.

Figure 2.12-31

Quarterly Mine Employment
and Coal Production Report

U.S. Department of Labor
Mine Safety and Health Administration

Do Not Write in This Space

O.M.B. Number 1219-0006; Approval Expires July 31, 1988.

This report is required by law (30 U.S.C. § 813; 30 C.F.R. Part 50). Failure to report can result in the institution of a civil action for relief under 30 U.S.C. § 818 respecting an operator of a coal or other mine, and assessment of a civil penalty against an operator of a coal or other mine under 30 U.S.C. § 820(a). An individual who, being subject to the Federal Mine Safety and Health Act of 1977 (30 U.S.C. § 801 et. seq.) knowingly makes a false statement in any report can be punished by a fine of not more than $10,000 or by imprisonment for not more than 5 years, or both, under 30 U.S.C. § 820(f). Any individual who knowingly and willfully makes any false, fictitious, or fraudulent statements, conceals a material fact, or makes a false, fictitious, or fraudulent entry, with respect to any matter within the jurisdiction of any agency of the United States can be punished by a fine of not more than $10,000, or imprisoned for not more than 5 years, or both, under 18 U.S.C. § 1001.

Important: This form must be completed and mailed within 15 days after the end of each calendar quarter.

1. Fill out this form as completely as possible and return the first sheet of this report to:
2. If it is necessary to make any address changes, indicate corrected information on this form.
3. When preaddressed, this form is only for the operation with I.D. number as shown. Do not use for any other operation.
4. ***Sand and Gravel*** operators report employment data under code 03 or 06 as appropriate, except for data on office workers which should be reported under code 99.
5. All mine operators and independent contractors reporting as required by 30 C.F.R., Part 50, should show persons working and employee-hours worked; those producing coal show also production data.
6. ***Independent Contractors*** should complete quarterly only one form for activities at all coal locations, and one form for activities at all metal and nonmetal locations.

MSHA, Health and Safety Analysis Center
P.O. Box 25367
Denver, Colorado 80225

Date Report Completed

Mo. Day Yr.

For Quarter

( )

Mail Before

Check here if this report is being submitted by a contractor ☐

If Any Information Below Is Incorrect Please Enter Correct Information Here:

County

Operation Name

Operating Company Name and Mailing Address

MSHA ID Number Contractor ID

County:

Operation Name

Operating Company Name and Address

1. Persons Working, Employee-Hours, and Coal Production

(1) Operation Sub Unit Code(s) previously reported:		*Code*	*(2) Average number of persons working during quarter*	*(3) Total employee-hours worked during the quarter*	*(4) Production of clean coal during quarter, (short tons)*
Underground Mine	Underground	01			
	Surface Shops, Yards, Etc.	02			
Surface Mine (including shops and yards)	Strip, Open Pit, or Quarry	03			
	Auger (Coal Mine Only)	04			
	Culm Bank or Refuse Pile (Coal Mine Only)	05			
	Dredge	06			
	Other Surface Mining (Metal/Nonmetal Only)	12			
	Independent Shops or Yards	17			
Mill Operations, Preparation Plant, or Breaker (include associated shops and yards)		30			
Office (professional and clerical workers at the mine or plant)		99			

2. Other Reportable Data

How many MSHA reportable injuries or illnesses did you have this quarter?

	Name	Title	Phone (incl. Area Code)
Person to be contacted regarding this report			

MSHA Form 7000-2, May 85 (Revised)

Return to MSHA

Figure 2.13

SECTION 3. ACCIDENT/INJURY FILES

3.1 Mine Accident/Injury Files

Accident/Injury files are a fixed length of 180 characters and the data is written sequentially in order by the first 24 characters in each record. The first 24 characters generate a unique key within the files. Diskette files may contain apparent duplicates due to the use of constant filler in character positions 21-24.

3.2 MSHA Form 7000-1

Accidents and injuries are reported on MSHA Form 7000-1 (Figure 3.1). Information which is coded by IEIO is described in Attachment 1 (Section 8 of the Coding Manual).

3.3 Data Limitations

Section B of the 7000-1 (characters 158-159 MSHA Accident Code) is coded 13 by IEIO when not completed by the respondent. This section should not be completed by the respondent unless it meets the requirements stated in 30 CFR Part 50.1.

Section C, item 5 determines the subunit. When the subunit is 01 (underground), item 5b (characters 40-41) must be coded; if not completed, 07 is used. Item 5c (characters 42-43) is 00 unless completed by the respondent.

3.4 Coding Manual - Handbook References

The following are the references in the coding manual (attachment 1) and the character positions of the accident/injury file to the item designation on the 7000-1 form.

7000-1 NUMBER	FILE POSITIONS	CODING MANUAL REFERENCE
1	158 - 159	None
2	Not entered	
3	160 - 165	8.10
4	Not Entered	
5a	11 - 12	
5b/c		None
6	13 - 16	None
7	17 - 20	8.10
8		8.10
9	(See Section 4 of This Manual)	
10	44 - 48	8.2/8.3
11	Not Entered	
12	68 - 70	None

13	Not Used

7000-1 NUMBER	FILE POSITIONS	CODING MANUAL REFERENCE
14	92	
15	93 - 98	
16	Not Provided	None
17	113 - 115	8.13
18	Not Entered	
19	Not Entered	
20	119 - 121	8.6
21	122 - 124	8.7
22	125 - 127	8.8
23	128 - 129	8.13
24	116 - 118	8.9
25	109 - 112	8.10
26	105 - 108	8.10
27	101 - 104	8.10
28	142	None
29	143 - 148	8.10
30	134 - 137	8.13
31	138 - 141	8.5
Degree	128 - 129	8.5
Accident Type	66 - 67	8.11
Accident Classification	64 - 65	8.12
Scheduled Charge	130 - 133	8.14

3.5 Information Used From Address/Employment File

Characters 25-39 are obtained from the Address/Employment File for the mine reporting an injury; also the subunit in which the injury occurred must be present in the employment subunit area of the Address/Employement File. This applies to both mine accident/injury records and also contractor accident/injury records. See figure 2.1, 2.3, 2.5-2.10.

3.6 Limitation on File Content

3.6.1 Congressional Removal

Information on the 1982 Metal/Nonmetal file is considered incomplete relative to other years data for those operations exempted from MSHA jurisdiction under H.J. Resolution 370 consisting primarily of surface stone and sand and gravel operations.

3.6.2 Return to Duty Information

Information from section D of the Form 7000-1 may be incomplete for files which are not "closed-out". Injuries coded as 03 degree and zeros in characters 130-141 in a file means MSHA has not received return to duty information. "Closed-out" files imply that all degree 01-05 injuries will contain non-zero information in at least one of the three data elements designated.

Mine Accident, Injury and Illness Report

U.S. Department of Labor

Mine Safety and Health Administration

Section A—Identification Data Approved For Use Through 12/31/90 OMB Number 1219-0007

MSHA ID Number | Contractor ID | Report Category: ☐ Metal/Nonmetal Mining ☐ Coal Mining | ☐ Check here if report pertains to contractor.

Mine Name | Company Name

Section B—Complete for Each Reportable Accident Immediately Reported to MSHA

1. Accident Code (circle applicable code – see instructions) 01 – Death 02 – Serious Injury 03 – Entrapment 04 – Inundation 05 – Gas or Dust Ignition 06 – Mine Fire 07 – Explosives 08 – Roof Fall 09 – Outburst 10 – Impounding Dam 11 – Hoisting 12 – Offsite Injury

2. Name of Investigator | 3. Date Investigation Started (Month | Day | Year) | 4. Steps Taken to Prevent Recurrence of Accident

Section C—Complete for Each Reportable Accident, Injury or Illness

5. Circle the Codes Which Best Describe Where Accident/Injury/Illness Occurred (see instructions)

(a) Surface Location: 02 Surface at Underground Mine 30 Mill, Preparation Plant, etc. 03 Strip/Open Pit Mine 04 Surface Auger Operation 05 Culm Bank/Refuse Pile 06 Dredge Mining 12 Other Surface Mining 17 Independent Shops (with own MSHA ID) 99 Office Facilities

(b) Underground Location: 01 Vertical Shaft 02 Slope/Inclined Shaft 03 Face 04 Intersection 05 Underground Shop/Office 06 Other

(c) Underground Mining Method: 01 Longwall 02 Shortwall 03 Conventional Stoping 05 Continuous Mining 06 Hand 07 Caving 08 Other

6. Date of Accident (Month | Day | Year) | 7. Time of Accident ☐ am ☐ pm | 8. Time Shift Started ☐ am ☐ pm

9. Describe Fully the Conditions Contributing to the Accident/Injury/Illness, and Quantify the Damage or Impairment

10. Equipment Involved | Type | Manufacturer | Model Number

11. Name of Witness to Accident/Injury/Illness | 12. Number of Reportable Injuries or Illnesses Resulting from This Occurrence

13. Name of Injured/Ill Employee | 14. Sex ☐ Male ☐ Female | 15. Date of Birth (Month | Day | Year)

16. Last Four Digits of Social Security Number | 17. Regular Job Title | ☐ 18. Check if this Injury/Illness resulted in death. | ☐ 19. Check if Injury/Illness resulted in permanent disability (include amputation, loss of use, & permanent total disability).

20. What Directly Inflicted Injury or Illness? | 21. Nature of Injury or Illness

22. Part of Body Injured or Affected | 23. Occupational Illness (circle applicable code—see instructions) 21 Occupational Skin Diseases 22 Dust Diseases of the Lungs 23 Respiratory Conditions (toxic agents) 24 Poisoning(toxic materials) 25 Disorders (physical agents) 26 Disorders (repeated trauma) 29 Other

24. Employee's Work Activity When Injury or Illness Occurred

Experience	Years	Weeks
25. Experience in This Job Title		
26. Experience at This Mine		
27. Total Mining Experience		

Section D—Return to Duty Information *Answer 30 & 31 when case is closed*

☐ 28. Permanently Transferred or Terminated (if checked, complete items 29, 30, & 31)

29. Date Returned to Regular Job at Full Capacity (or item 28) (Month | Day | Year)

30. Number of Days Away from Work (if none, enter 0)

31. Number of Days Restricted Work Activity (if none, enter 0)

Person Completing Form (name) | Title

Date This Report Prepared (month, day, year) | Area Code and Phone Number

MSHA Form 7000-1, July 91 (Revised)

For Official Use Only

Degree
Accident Type
Accident Class
Scheduled Charge
Keyword

7
8
10
Man
12
14
16
17
18
19
20
21
22
24

 MAIL THIS PAGE TO MSHA, DENVER SAFETY and HEALTH TECHNOLOGY CENTER, P. O. BOX 25367, DENVER, COLORADO 80225

Figure 3.1

The first record on this file is always an informational record containing the year of the data and the type of data along with other miscellaneous data. The following is a detail description of this first record:

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
1-24	Constant	X(24)	Value of 0000001 followed by spaces.
25-38	Type of File	X(14)	Value of COAL or METAL/NONMETAL.
39-42	Year of File	9(4)	Year of the data.
43-45	Cycle Number	999	Update cycle number.
46-51	Update Date	9(6)	Date of last update.
52-180	Filler	X(129)	

The following is a detail description of the mine accident/injury records that follow the informational record:

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
1-7	Mine ID	9(7)	MSHA Mine ID number where accident occurred or illness was contracted; reference Form 7000-1, Section A.
8-10	Contractor	X(3)	Reported on Form 7000-1, Section A. Blank if mine owner.
11-12	Subunit	99	Subunit operations code. Circled on Form 7000-1, Section C under 5(a). If under 5(b), 01 is entered.
13-14	Month of Accident	99	Month code for the month of the accident. Form 7000-1, Item 6.
15-16	Day of Accident	99	Day of month of the accident. Form 7000-1, Item 6.
17-20	Time of Accident	9(4)	Time of accident - 2400 military time. Form 7000-1, Item 7.
21-24	Filler	9(4)	

Figure 3.2-1

Figure 3.2-2

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
25-28	Inspection Office	9(4)	Code for MSHA Field office exercising jurisdiction over this mining operation.
29-30	State Code	99	FIPS code for state in which mine is located.
31-33	County Code	999	FIPS code for county within a state in which mine is located.
34-38	SIC	9(5)	Standard Industrial Code for primary commodity mined.
39	Canvass of Class	9	Designates a general product class based on SIC code.
40-41	Underground Location	99	Code for underground mining location. Form 7000-1, Item 5(b).
42-43	Underground Mining Method	99	Code for underground mining method. Form 7000-1, Item 5(c).
44-46	Trade Name of Equipment	9(3)	Code for manufacturer of equipment involved in this accident. Form 7000-1, Item 10 - Mfg.
47-48	Mining Machine	99	Code for type of mining machine involved in this accident. Form 7000-1, Item 10 - Type.
49-59	Equipment Model Number	X(11)	Equipment model number as reported on Form 7000-1, Item 10 - Model Number.
60-63	Shift Time	9(4)	Time shift started. Form 7000-1, Item 8. 2400 military time.
64-65	Accident/Injury/ Illness	99	Classification of accident or illness. Coded from narrative and Item 23 on Form 7000-1.
66-67	Accident Type	99	Coded from information on form.

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
68-70	Injuries Reported	999	Number of reportable injuries or illnesses resulting from this accident. Coded from information on Form 7000-1, Item 12.
71-79	Document Number	9(9)	Internal control number stamped on document.
80-91	Filler	X(12)	
92	Sex	9	Code for sex of person injured. 1 = male; 2 = female.
93-98	Birthdate	9(6)	Birthdate of sick or injured person on this report in YYMMDD format. Form 7000-1, Item 15.
99-100	Age	99	Generated from birthdate.
101-104	Total Mine Experience	9(4)	Total mining experience of person in years and weeks. Form 7000-1, Item 27.
105-108	Total Experience This Mine	9(4)	Total Experience at this mine of person injured in years and weeks. Form 7000-1, Item 26.
109-112	Regular Job Experience	9(4)	Work experience of regular job title in years and weeks. Form 7000-1, Item 25.
113-115	Regular Job Title (Occupation)	999	Occupation code for regular job title. Form 7000-1, Item 17.
116-118	Mine Worker Activity	9(3)	Specific activity at time of injury. Form 7000-1, Item 24.
119-121	Source of Injury	9(3)	Coded from information on form. Form 7000-1, Item 20.
122-124	Nature of Injury	999	Coded from information on form. Form 7000-1, Item 21.
125-127	Part of Body	999	Coded from information on form. Form 7000-1, Item 22.

Figure 3.2-4

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
128-129	Degree of Injury	99	Code for degree of injury from Items 18, 19, 30 and 31 on Form 7000-1.
130-133	Days Away From Work	9(4)	Statutory days lost.
134-137	Restricted Work Activity	9(4)	Days of restricted work activity from this accident or illness. Form 7000-1, Item 31.
138-141	Days Lost From Work	9(4)	Actual days lost from work. Form 7000-1, Item 30.
142	Permanently Transferred or Terminated	9	Code for permanently transferred or terminated; 1 = yes; 2 = no. Form 7000-1, Item 28.
143-148	Date Returned to Work	9(6)	Date returned to work in YYMMDD format. Form 7000-1, Item 29.
149-157	Close Case Injury Document Number	9(9)	Document number for report of injured person returning to work. Assigned IEIO control number stamped on document.
158-159	MSHA Accident Code	99	MSHA accident code from Item 1 on Form 7000-1.
160-165	Date Investigation Started	9(6)	Date MSHA investigation started in YYMMDD format. Form 7000-1, Item 2.
166-168	Update Addition Number	999	Update cycle addition started.
169-171	Update Change Number	999	Update cycle change number.
172-173	Filler	XX	
174-177	Filler	XXXX	Prior to 1995 these positions held a keyword code.
178-180	Filler	XX	

The first record on this file is always an informational record containing the year of the data and the type of data along with other miscellaneous data. The following is a detail description of this first record:

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
1-24	Constant	X(24)	Value of spaces.
25-38	Type of File	X(14)	Value of COAL CONTR or MNM CONTR.
39-42	Year of File	9(4)	Year of the data.
43-45	Cycle Number	999	Update cycle number.
46-51	Update Date	9(6)	Date of last update.
52-180	Filler	X(129)	

The following is a detail description of the contractor accident/injury records that follow the informational record:

POSITION	DATA ELEMENTS	TYPE/ WIDTH	DESCRIPTION
1-3	Contractor	X(3)	Reported in Section A of Form 7000-1. Contractor reporting injury, accident, or illness.
4-10	Mine ID	9(7)	MSHA Mine ID number where accident occured or illness was contracted reported in Section A of Form 7000-1.
11-12	Subunit	99	Subunit operations code. Circled on Form 7000-1, Section C under 5(a). If under 5(b), 01 is entered.
13-14	Month of Accident	99	Month code for the month of the accident. Form 7000-1, Item 6.
15-16	Day of Accident	99	Day of month of the accident. Form 7000-1, Item 6.
17-20	Time of Accident	9(4)	Time of accident - 2400 military time. Form 7000-1, Item 7.

POSITION	DATA ELEMENTS	TYPE/ WIDTH	DESCRIPTION
21-24	Filler	9(4)	
25-28	Inspection Office	9(4)	Code for MSHA Field office exercising jurisdiction over the mining operation where the accident/injury occured.
29-30	State Code	99	FIPS code for state in which the mine where the accident/injury occured is located.
31-33	County Code	999	FIPS code for county within a state in which the mine where the accident/injury occured is located.
34-38	SIC	9(5)	Standard Industrial Code for primary commodity mined where the accident/injury occured.
39	Canvass or Class	9	Designates a general product class based on SIC code.
40-41	Underground Location	99	Code for underground location. Form 7000-1, Item 5(b).
42-43	Underground Mining Method	99	Code for underground mining method. Form 7000-1, Item 5(c).
44-46	Trade Name of Equipment	9(3)	Code for manufacturer of equipment involved in this accident. Form 7000-1, Item 10 - Mfg.
47-48	Mining Machine	99	Code for type of mining machine involved in this accident. Form 7000-1, Item 10 - Type.
49-59	Equipment Model Number	X(11)	Equipment model number as reported reported on Form 7000-1, Item 10 - Model Number.
60-63	Shift Time	9(4)	Time shift started. Form 7000-1, Item 8. 2400 military time.
64-65	Accident/Injury/ Illness	99	Classification accident and illness code. Coded from narrative and Item 23 on Form 7000-1.

Figure 3.3-2

Figure 3.3-3

POSITION	DATA ELEMENTS	TYPE/ WIDTH	DESCRIPTION
66-67	Accident Type	99	Coded from information on form.
68-70	Injuries Reported	999	Number of reportable injuries or illnesses resulting from this accident. Coded from information on form. Form 7000-1, Item 12.
71-79	Document Number	9(9)	Internal control number stamped on document.
80-91	Filler	X(12)	
92	Sex	9	Code for sex of person injured. 1 = male; 2 = female.
93-98	Birthdate	9(6)	Birthdate of sick or injured person on this report in YYMMDD format. Form 7000-1, Item 15.
99-100	Age	99	Generated from birthdate.
101-104	Total Mine Experience	9(4)	Total mining experience of person injured in years and weeks. Reported on Form 7000-1, Item 27.
105-108	Total Experience This Mine	9(4)	Total experience at this mine of the person injured in years and weeks. Form 7000-1, Item 26.
109-112	Regular Job Experience	9(4)	Work experience of regular job title in years and weeks. Form 7000-1, Item 25.
113-115	Regular Job Title (Occupation)	999	Occupation code for regular job title. Form 7000-1, Item 17.
116-118	Mine Worker Activity	9(3)	Specific activity at time of injury. Form 7000-1, Item 24.
119-121	Source of Injury	9(3)	Coded from information on form. Form 7000-1, Item 20.
122-124	Nature of Injury	999	Coded from information on form. Form 7000-1, Item 21.
125-127	Part of Body	999	Coded from information on form.

Form 7000-1, Item 22.

Figure 3.3-5

POSITION	DATA ELEMENTS	TYPE/ WIDTH	DESCRIPTION
128-129	Degree of Injury	99	Code for degree of injury from Items 18, 19, 30 and 31 on Form 7000-1.
130-133	Days Away From Work	9(4)	Statutory days lost.
134-137	Restricted Work Activity	9(4)	Days of restricted work activity from this accident or illness. Form 7000-1, Item 31.
138-141	Days Lost From Work	9(4)	Actual days lost from work. Form 7000-1, Item 30.
142	Permanently Trans- ferred or Terminated	9	Code for permanently transferred or terminated; 1 - yes; 2 = no. Form 7000-1, Item 28.
143-148	Date Returned to Work	9(6)	Date returned to work in YYMMDD format. Form 7000-1, Item 29.
149-157	Close Case Injury Document Number	9(9)	Document number for report of injured person returning to work. Assigned IEIO control number stamped on document.
158-159	MSHA Accident Code	99	MSHA accident code from Item 1 on Form 7000-1.
160-165	Date Investigation Started	9(6)	Date MSHA investigation started in YYMMDD format. Form 7000-1, Item 2.
166-168	Update Addition Number	999	Update cycle addition number.
169-171	Update Change Number	999	Update cycle change number.
172-173	Filler	XX	
174-177	Filler	XXXX	Prior to 1995 these positions held a keyword code.
178-180	Filler	XXX	

SECTION 4. NARRATIVE FILES

4.1 General

Narrative information is from item 9 of the 7000-1 (accident, injury and illness) form. This narrative is not proofed for entry/respondent accuracy.

4.2 Narrative Files

Narrative files are fixed length records of 399 characters. The data is written sequentially in document number order. The unique document number is assigned by IEIO to each Accident/Injury form received (characters 71-79 of the accident/injury record) and is the key within a narrative file.

4.3 Limitations

Not all Accidents/Injuries will have narrative and there may be some narratives on file which cannot be matched to an accident/injury.

The first record on this file is always an informational record containing the year of the data and the type of data along with other miscellaneous data. The following is a detail description of this first record:

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
1-9	Constant	X(9)	Value of 000000001.
10-15	Filler	X(6)	
16-29	Type of File	X(14)	Value of COAL, COAL CONTR, METAL/NONMETAL, or MNM CONTR.
30-31	Year of File	99	Year of the data.
32-34	Cycle Number	999	Update cycle number.
35-40	Update Date	9(6)	Date of last update.
41-399	Filler	X(359)	

The following is a detail description of the narrative records that follow the informational record:

POSITION	DATA ELEMENTS	TYPE/ WIDTH	DESCRIPTION
1-9	Document Number	9(9)	Document number stamped on injury form and assigned by IEIO.
10	M/NM or Coal Indicator	X	This item will contain a "C" for Coal or a "M" for M/NM.
11	Completion Code	9	A "1" in this item indicates the narrative entered into the computer was completely entered. A "2" indicates the entire narrative could not be entered because of the size. A "3" indicates that there was not a narrative written on the injury report.
12-14	Narrative Character Count	999	Indicates the total number of characters required on the record for the narrative description.

POSITION	DATA ELEMENTS	TYPE/ WIDTH	DESCRIPTION
15	Number of Narrative Descriptions	9	This count indicates the number of forty-eight character descriptions in the record. Values can range from 0 to 8.
16-63	Narrative Description 1	X(48)	First forty-eight characters of narrative description.
64-111	Narrative Description 2	X(48)	Second forty-eight characters of narrative description.
112-159	Narrative Description 3	X(48)	Third forty-eight characters of narrative description.
160-207	Narrative Description 4	X(48)	Fourth forty-eight characters of narrative description.
208-255	Narrative Description 5	X(48)	Fifth forty-eight characters of narrative description.
256-303	Narrative Description 6	X(48)	Sixth forty-eight characters of narrative description.
304-351	Narrative Description 7	X(48)	Seventh forty-eight characters of narrative description.
352-399	Narrative Description 8	X(48)	Eighth forty-eight characters of narrative description.

SECTION 5. MASTER INDEX FILE (MIF)

5.1 General

Mine ID's issued by IEIO are not reused. The current information regarding mine ID's issued since 1971 are contained on this file. Prior to 1971, mine ID's were different from the current seven characters. Data files are provided from the current file.

5.2 Master Index File (MIF)

The Master Index File (MIF) has a fixed record length of 117. The data is written sequentially in mine id order.

5.3 Updating

This file is updated monthly from address transactions and by special transactions for MIF only. Special mass changes such as status codes will always be reflected on this file.

5.4 Limitations

5.4.1 SIC Codes

Primary SIC Codes will always be present. Secondary SIC Codes are provided at the discretion of the appropriate District or Subdistrict office.

5.4.2 Latitude/Longitude

Latitude/longitude is provided, when available, by the district office when a new mine ID is obtained. The latitude/longitude may be provided at a later date.

5.5 County Codes

County codes are as described in Federal Information Processing Standards Publication 6.

The first record on this file is always an informational record containing the year of the data and the type of data along with other miscellaneous data. The following is a detail description of this first record:

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
1-7	Constant	X(7)	Value of 0000000.
8-10	Type of File	XXX	Value of MIF.
11-14	Cycle Number	9999	Update cycle number.
15-20	Update Date	9(6)	Date of last update.
21-117	Filler	X(97)	

The following is a detail description of the MIF records that follow the informational record:

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
1-7	Mine ID	9(7)	MSHA Mine ID assigned to a mining operation.
8-32	Company Name	X(25)	Company owning or having primary responsibility for the operation of this entity.
33-52	Entity Name	X(20)	Name applied to this entity by the company.
53-54	State Code	99	FIPS code for state in which mine is located.
55-57	County Code	999	FIPS code for county within a state in which mine is located.
58-62	Primary Standard Industrial Code (SIC)	9(5)	Primary SIC for commodities mined
63-67	Secondary SIC 1	9(5)	First secondary SIC for commodities mined
68-72	Secondary SIC 2	9(5)	Second secondary SIC for commodities mined
73-77	Secondary SIC 3	9(5)	Third secondary SIC for commodities

mined

POSITION	DATA ELEMENT	TYPE/ WIDTH	DESCRIPTION
78-82	Secondary SIC 4	9(5)	Fourth secondary SIC for commodities mined
83-87	Secondary SIC 5	9(5)	Fifth secondary SIC for commodities mined
88	Operation Class	9	Classification codes of the operation are as follows: 1 - Coal mining 2 - Non-coal mining 3 - Non-mining
89-90	Filler	XX	Spaces.
91	Status Code	X	Code of status of operation of mine (active to permanently closed). Coal - A through H. Non-coal 1, 2, 3, and 4.
92-97	Status Date	9(6)	Date of latest add or change of status. MMDDYY
98-103	Latitude		Latitude location of the operation in degrees, minutes and seconds.
	Degree	99	
	Minutes	99	
	Seconds	99	
104	Filler	X	Space.
105-111	Longitude		Longitude location of the operations in degrees, minutes and seconds.
	Degree	999	
	Minutes	99	
	Seconds	99	
111	Filler	X	Space.
113	Number of Shops	9	Number of central shops associated with this operation.
114	Number of Plants	9	Number of preparation plants associated with this operation.
115-117	Number of Pits	999	Number of pits associated with this operation.